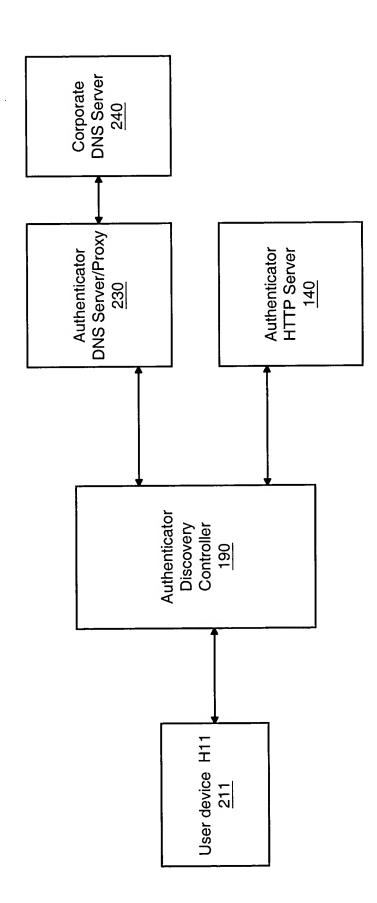


FIG. 1

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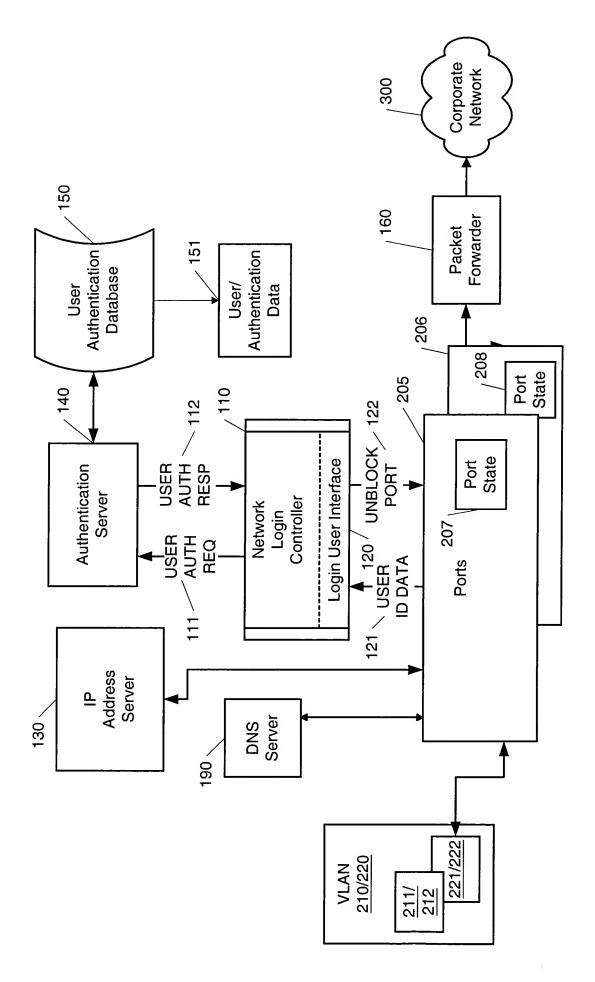
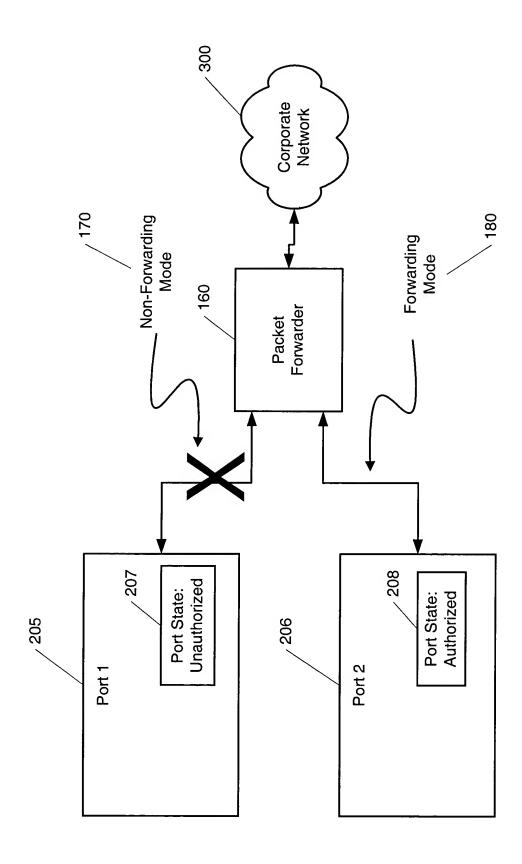


FIG. 3

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Corporate Network 300 152 Config/Policy 160 Forwarder Data User/ Packet Authentication 150 Database 151 Authentication User/ Data 206 208 State Port 205 110 , 113 207 UPLOAD CONFIG/ POLICY user/ <sup>112</sup>user / CONF/ RESP State 120 Port Login User Interface 140 Authentication Ports UNBLOCK Login Controller Network Server RESP **PORT** AUTH USER AUTH REQ 122 **ID DATA** USER 11 121 221/222 210/220 VLAN 211/

FIG. 5

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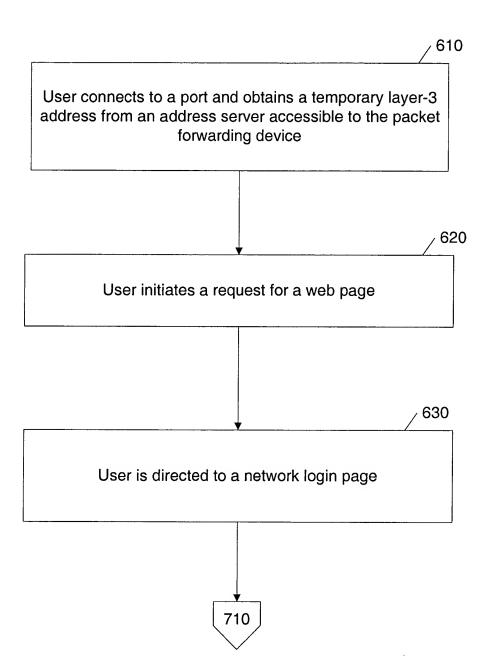


FIG. 6

Express Mail No.: EV325525988US Docket No.: 002717.P100 Sheet: 7 of 8 710 User accesses the network login controller user interface and enters a user identification data 720 Network login controller sends a user authentication request to the authentication server using the user identification data supplied by the user 730 Not Authentic Authentication server determines whether the user identification data is authentic 750 **Authentic** Authentication Server responds 740 Authentication server responds with with user user authentication reply granting authentication permission to access the network reply denying permission to access the network 810

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FIG. 7

Docket No.: 002717.P100 Express Mail No.: EV325525988US Sheet: 8 of 8 810 Denied Permission granted or denied? 820 Granted 830 Network login controller unblocks the port Network login by placing the port into an controller leaves authorized/forwarding state port in an unauthorized/ 840 non-forwarding state Network login controller assigns the port to a permanent VLAN and the port obtains a permanent layer-3 address 850 Packet forwarder commences sending and receiving packets for the authorized port 860 User logs out using the network login controller; Link from user to the port is lost; No port activity for a period of time; Network administrator places port into an unauthorized state 870 Network login controller blocks the port by returning the port to an unauthorized/ non-forwarding state End

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FIG. 8